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SELECTED BOOKS AND BULLETINS

Agronomy

"Disease-Resistant and Hardy Oats for the South," by T. R. Stanton. USDA Farmers' Bulletin 1947. October 1943.

"Lupines-New Legumes for the South," by Roland McKee. USDA Farmers' Bulletin 1946. November 1943.

Chemistry

VOLUMETRIC ANALYSIS, by I. M. Kolthoff and V. A. Stenger. Volume I: Theoretical Fundamentals. 2nd rev. ed. Interscience, 1942.

Chapter headings: Fundamentals of volumetric analysis, Principles of neutralization and ion combination reactions, Titration curves for neutralization and ion combination reactions, Principles of oxidation-reduction reactions. Titration curves, Indicators, Titration error, Reaction velocity; Catalysis and induced reactions, Adsorption and coprecipitation phenomena, Volumetric methods of organic analysis, Methods for the determination of the equivalence-point.

Economics

"The Farm Real Estate Situation, 1942-43," by M. W. Regan and others. USDA Circular. October 1943.

Engineering

TRANSACTIONS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, 1942.

Partial contents of interest to agricultural workers: Hydraulics of sprinkling systems for irrigation, Method of predicting the runoff from rainfall, Evaluation of flood losses and benefits, Surface runoff determination from rainfall without using coefficients, Consumptive use of water for agriculture, A direct method of flood routing.

Entomology

"Ants, Wasps, and Other Insects." Bur. of Entomology and Plant Quarantine Circular 15. August 1943.

"Effectiveness of Wood Preservatives in Preventing Attack by Termites," by T. F. Snyder and James Zetek. USDA Circular 683. September 1943.

"Hibernation of the Boll Weevil," by H. J. Reinhard. Texas agri. expt. sta. Bull. No. 638. August 1943.

"Insecticides and Equipment for Controlling Insects on Fruits and Vegetables," by N. F. Howard and others. USDA Misc. Pub. no. 526. November 1943.

"Life History and Habits of the Peachtree Borer in the Southeastern States," by O. I. Snapp. USDA Tech. Bull. No. 854. November 1943.

"The Pea Aphid on Peas and Methods for its Control," by J. E. Ludley. USDA Farmers' Bulletin 1945. November 1943.

"Preventing Damage to Commercial Dried Fruits by the Raisin Moth," by H. C. Donohoe and others. USDA Leaflet No. 236. October 1943.

"Preventing Insect Damage in Home-Dried Fruits," by Perez Simmons. USDA Leaflet No. 235. October 1943.

Food

FOOD ENOUGH, by John D. Black. Jaques Cattell, 1943. 389 B56

Some of the factual material Mr. Black has covered in this book is the feeding



of the Army, the problem of feeding the War Worker, the Civilian Problem, food for the Allies and the Friendly Nations, the Enemy food supply, Manpower and Food production, and the foods we need...The publisher thinks that once you have read the book you will want to make it required reading for your family and friends before they utter another half-truth about the National Food Program over the back yard fence.

### Forestry

BURNING AN EMPIRE: The story of American forest fires, by S. M. Holbrook. Macmillan, 1943. 99.51 H69

With his usual ability, Mr. Holbrook has given us a vivid story of the historic forest fires in America from the great Maine and New Brunswick fires of more than a century ago to the terrible Tillamook Fire in Oregon in 1933. The stories are full of suspense and action. In the last part of the book, he discusses modern methods of preventing and fighting fires.

HOW TO BE A FOREST RANGER, by E. M. Steele. McBride, 1942. 99.61 St3

"Forest rangers are our front-line fighters in the battle for conservation of the nation's resources! Theirs is the tremendous job of guarding 175,000,000 acres scattered through one hundred and sixty-three national forests. Forest service engineering personnel has been engaged in building new roads to tap strategic war materials; foresters are helping devise means of fighting in wooded terrain. Since the greatest era of conservation lies ahead during the postwar years, this is a constantly expanding field with many opportunities for employment. The accurate, detailed information about these opportunities to be found in this book gives it both immediate interest and permanent value."

THE PINE TREE SHIELD, by E. C. Flint. Doubleday, 1943. 145.3 F64

"In vivid style Elizabeth Flint tells the dynamic story of a forest ranger and his wife who followed their ideals and their devotion through privation, illness, and misunderstanding in this warm and dramatic American saga. The author tells from personal experience of the great fires that lashed the virgin timber, of terrible storms in which lightning would make a hundred strikes on the mountain side during a single night, of the weary hours spent in backbreaking toil as the fire fighters dug and cut, hoping that a backfire would stop the roaring demon. THE PINE TREE SHIELD is a vital account of man's triumph over nature and over himself."

PLASTICS FROM FARM AND FOREST, by L. F. Lougee. Plastics Institute, 1943. 309 L92

The author of this book thinks that now is the time for capable hands and minds to recognize the growing alliance between agriculture as a source of raw materials and industry as an increasingly profitable customer of the farm and forest and guide it through intelligent research, stop waste, and get the utmost out of essential crops. In this book he discusses, for those who know little or nothing about plastics, numerous plastics--from what they are made and for what they are used.

SEEDING AND PLANTING IN THE PRACTICE OF FORESTRY: A manual for the guidance of forestry students, foresters, nurserymen, forest owners, and farmers, by J. W. Toumey and C. F. Korstian. 3rd ed. Wiley, 1942. 99.47 T64

A reviewer in the Yale School News says, "In the reviewer's opinion this still remains the most interesting and comprehensive exposition of the relation between the forest and its environment. The book is recommended to all who are seriously interested in the principles upon which sound silvicultural practice must rest." In this edition greater emphasis is given to the production of nursery stock for planting on particular sites and the inauguration of greatly enlarged planting programs by federal, state and private agencies.

THIS FASCINATING LUMBER BUSINESS, by S. F. Horn. Hobbs-Merrill, 1943. 99.76 H78

"Nobody in, or even a casual observer of, the lumber business would deny that the adjective used in the title of this book is merited. In fact many lumbermen declare that it is fascination rather than remuneration that keeps the business going...Stanley Horn, as editor of a large lumber-trade journal, has reason to know his industry. He has done a good job here in translating its vocabulary and explaining its intricacies--not only in the strict sense of the manufacture of lumber, but in the broader sense in which the term is increasingly understood--namely, in application to the harvesting and manufacturing of all forest products. Perhaps he assumes that more lumbermen have been converted to the virtues of a sustained-yield philosophy in place of a "cut and get out" one, than actually have...By no means all students of conservation problems will accept the author's apparent view that little more remains to be done to put our forests on a sustained-yield basis." From American Forests.

SOUTHERN LUMBERMAN--reprints from issue of December 15, 1943.

"Employment Requirements of Well-Managed Timberland," by R. R. Reynolds.

"Estimating Monthly Lumber Production in the Lower South," by C. Deschamps.

"A Forestry Program for the Lower South," by E. L. Common.

"Licking the Lumber Gremlins," by S. B. Hutchison.

"The Little Fellow and the 1942 Lumber Cut of the Lower South," by R. B. Craig.

"Trees, Grass and Cattle in the Gulf States," by R. S. Campbell.

"Where Are We Now?" by C. R. Lockard.

#### Home Economics

"Buying Boys' Suits," by C. L. Scott. USDA Farmers' Bulletin 1877. July 1941.

"Buying Clothes and House Furnishings," by Catherine Haynes. Alabama ext. ser. Circular 218. December 1940.

"Refinishing Furniture at Home," by Anne Diebricher. Ohio ext. ser. bull. 198. June 1943.

"Women's Dresses and Slips: A Buying Guide," by C. L. Scott. USDA Farmers' Bulletin 1851. September 1940.

#### Machinery and Shop Work

"Care of the Disk Harrow," by M. T. Cowder. Tennessee ext. ser. Leaflet 53. 1943.

FARM MACHINERY, by A. A. Stone. Wiley, 1942. 58 St7

This book contains chapters on plows, mowers, cultivators and other machines as well as on the carburetion system, ignition system, cooling systems, etc.

FARM SHOP PRACTICE, by M. M. Jones. McGraw-Hill, 1939. 58 J72F

This is a text containing sections on farm woodwork and carpentry, tool sharpening and fitting, cold-metal work, farm blacksmithing, and Harness, belt, and rope work.

"Painting Farm Machines and Equipment," by M. T. Cowder. Tennessee ext. ser. Leaflet No. 52. 1943.

#### Personnel

"Personnel Officers Meeting." St. Louis, Mo. Nov. 30-Dec. 4, 1943.

The committees proposed...the meeting endorsed...and the director approved recommendations for improved personnel policies and procedures. This bulletin contains the recommendations, decisions, and addresses made at the meeting.

#### Soils

"Soil Survey of Choctaw County, Oklahoma," by W. R. Bucknannan and others. Bureau of Plant Industry, November 1943.

THEORETICAL SOIL MECHANICS, by Karl Terzaghi. Wiley, 1943. 290 T27

"This volume discusses thoroughly those theories which have stood the test of experience and which are applicable under certain conditions and restrictions to the



approximate solution of practical problems." Book jacket. The book is divided into four sections: General principles involved in the theories of soil mechanics, Conditions for shear failure in ideal soils, Mechanical interaction between solid and water in soils, and Elasticity problems of soil mechanics. Selected chapter headings are: Plastic equilibrium in a semi-infinite mass with a plane surface, Arching in ideal soils, Retaining wall problems, Stability of slopes, Anchored bulkheads, Effect of seepage on the conditions for equilibrium in ideal sand, and Theory of semi-infinite elastic solids.

#### Wildlife

TRANSACTIONS OF THE EIGHTH NORTH AMERICAN WILDLIFE CONFERENCE, 1943.

Sessions on the following subjects: Wartime utilization of wildlife crops, Looking ahead in conservation, Methods of handling big-game crops during wartime, Pond and small lake management, Educational forum, Methods of handling small game crops during wartime, Economic utilization of rough fish, Fur resources forum, Mistakes made in wildlife management, Recent developments in wildlife techniques.

WILDLIFE REFUGES, by Ira N. Gabrielson. Macmillan, 1943. 412.9 G11W

Dr. Leopold, in his review of this book, says that no thinking conservationist can afford to pass it up, yet it is in essence a milepost in the accomplishment of a job, rather than a guide to wisdom. He finds the index scanty, the references not tied to the text, the bibliography weak in "outside" documents, the half-tone illustrations not tied to the textual discussion, a paucity of statistical tables, and spotty writing. So while you may not be able to use the book as a reference book, you will probably enjoy reading it, for Dr. Gabrielson does communicate to the reader his own keen delight in and knowledge of all kinds of wildlife. After an able historical review of refuge origins, he treats of all of the limitations of the refuge mechanism, nor does he mince words in doing so. The book describes the performance of refuges as seen by the author in the field. A perusal of this much-needed volume gives the reader a vivid picture of the federal system of refuges but the accounts of state and private refuges are inadequate, according to Mr. Leopold.

#### ARE YOU PLANNING YOUR SPRING GARDEN NOW?

These books and bulletins may help.

##### Arkansas

"Bramble Fruits," by J. E. Vaile. Ark. ext. ser. cir. no. 317.

"Garden Insect Control," by C. G. Lincoln. Ark. ext. ser. leaflet no. 53.

"Grow A Victory Garden." Ark. ext. ser. leaflet no. 27.

"Grow Vegetables for Victory," by E. J. Allen. Ark. ext. ser. leaflet no. 50.

##### Louisiana

"Small Fruits for the Home Garden," by B. L. Ferguson. Louisiana ext. cir no. 255

##### Oklahoma

"Control of Garden Insects," by C. F. Stiles. Okla. ext. ser. OP-30.

"Grapes in Oklahoma," by F. B. Cross and L. F. Locke. Okla. ext. ser. cir. 254.

"A Small Urban Home Vegetable Garden." Okla. ext. ser. OP-27.

"Small Fruits for Oklahoma Victory Gardens," by Fred McCrone. Okla. ext. ser. OP-54.

##### Texas

"Grow A Garden..." by J. F. Rosborough. Tex. ext. ser. cir. 175.

"Hotbeds For Home Gardens," by J. F. Rosborough. Tex. ext. ser. cir. 110.

"Victory Gardens...City Gardens," by J. F. Rosborough. Tex. ext. ser. cir. 193.

"Victory Gardens...Farm Gardens," by J. F. Rosborough. Tex. ext. ser. cir. 194.

"Orchard Management," by J. F. Rosborough. Tex. ext. ser. bull. 73.

General

ARTIFICIAL MANURES, by A. B. Beaumont. Judd, 1943. 57.4 B38

"This compact little book is an extremely worthwhile tool for the home gardener...Dr. Beaumont, in a few pages, presents a streamlined picture concerning soils, their origin, and something of their productivity, and gives a clear view of a complex situation....One of the highlights of the book is the discussion of 'Fads, Fakes, and New Methods' that are constantly cropping out in agriculture...The discussion concerning manures is excellent...Details are given for the building of a compost pile which is so valuable to the city gardener. The use of cover crops is discussed thoroughly, even to the inclusion of a table giving seeding rates and dates. The place of soil conservation in maintaining and increasing production is also given attention...One section of the book pertains to the use of artificial manures for extensive farms."

THE FOOD GARDEN, by Edna Blair. Macmillan, 1942. 91.15 B572

This cleverly illustrated book shows just how to plant and harvest most vegetables and many fruits.

HOME VEGETABLE GARDENING, by C. H. Fissley. Rutgers, 1942. 91.15 B63

This little book discusses garden seed, tells how to prepare the garden soil, gives common garden practices, considers garden pests and their control. Then for each vegetable and several herbs it gives you a brief history and indicates the type of soil necessary along with a table recommending kind of seed, amount and weight of seed, average yield to expect per acre or row, distance between rows, depth to plant seed, chemical content of edible portion of the vegetables, the vitamin contents, and the calories per pound.

INSECT PESTS OF FARM, GARDEN, AND ORCHARD, by L. M. Peairs. Wiley, 1941. 423 Sa51

This is an excellent book, first discussing the various types of insect control and then taking up specific insects. The illustrations are good and you will probably find how to control most any insect. The chapters are arranged according to crops--grasses and cereals, cotton, garden crops, orchard fruits, etc.

"Potato Production in the Southern States," by E. L. McClellan. USDA Farmers' Bulletin 1904.

"Snap Beans For Marketing, Canning, and Freezing," by B. L. Wade. USDA Farmers' Bulletin 1915.

THE TOMATO, by Paul Work. Judd, 1942. 91.58 W89T

THE VEGETABLE GROWING BUSINESS, by R. L. Watts and G. S. Watts. Judd, 1940. 91 W34Vg

This is a fine book on vegetable gardening on a commercial scale. Of course much of the information given, such as varieties, culture, insect control, and harvesting, can be applied to the small home garden.

"Victory Gardens," by V. B. Boswell. USDA Misc. Pub. 483. Rev.  
A useful bulletin.

Additional Bulletins

"Commercial Fertilizers in 1942-43," by G. S. Fraps and others. Tex. agr. expt. sta. bull. 639. October 1943.

"Consumption of Fertilizer Materials and Grades in Oklahoma," by H. J. Harper. Okla. agr. expt. sta. bull. 273. November 1943.

"The Ermer Grades His Meat." USDA AWI-69. September 1943.

"Program For Bidas Creek Soil Conservation District...Texas."

"Techniques of Fishpond Management," by L. W. Compton. USDA Misc. Pub. 528. 1943.

"Wartime Feed Mixtures For Chickens," by H. W. Titus and others. USDA AWI-48. 1943.

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